User's Manual

DIGITAL COOL

mpio

FY600

mpio

Thank you for purchasing MPIO FY600. FY600 is a digital audio player that enables users to play back music conveniently and utilize it for various purposes. To use this product properly, make sure to read through this manually before using it.

http://www.mpio.com
For more information on the MPIO products, visit our web site on the Internet. You can find many answers to the customer's various enquiries, or upgrade the product performance through firmware upgrade (system software) that operates this product.

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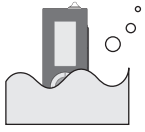
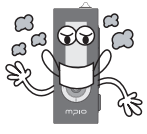
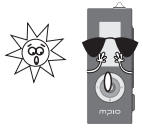
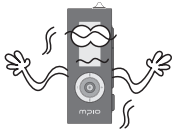
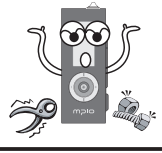
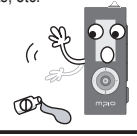
▶ Disclaimer
- Manufacturer and sales office do not bear any responsibility over the accidental damage that accompanies the injury to the user, which is caused by improper usage of this product. The contents of this manual are based on the product status at the time of sales and can be changed without a prior notice for continuous performance improvement and additional function supplementation in the future.

The following information is for protecting the user's safety and any property damages.
Please read the following information and use the product accordingly.

Do not use in high temperature (near heating device or heat generators).	Do not use in minus zero temperatures or outdoors during winter (operating temperature 0˚C~40˚C).	Do not use in high humidity or places of dropping in water. 
Do not use in places with high amount of dust. 	Do not use in direct sunlight or inside a car. 	Do not use in places with high vibration. 
Do not use near highly magnetic devices.	Be Careful of strong impact.	Do not dismantle, repair, or modify the product. 

Be careful of foreign substances entering the product interior. E.g.) Paper clips, paper, water, drinks, etc. 	When removing foreign substances from the product surface, always use a soft cloth or a towel. Do not use chemical solvents.

User Safety

① Traffic safety
- Do not listen to music using headphones or earphones when riding a bicycle, motorcycle, or driving a vehicle. It is dangerous and it may be against the law in some regions.
- Reduce the headset or earphone volume when listening to music or FM while you're walking. There is a risk of an accident.

② Hearing Protection
- Do not use headphones or earphones for a long period of time. Professionals suggest that long use of all portable audio devices may have a possibility of causing hearing loss.

Data Storage

① MPIO Co., Ltd. will not be responsible for data loss or damages occurred while transferring data between the product and a PC.

② **When storing important data, please make a back-up copy. The data may be damaged due to malfunction or other elements such as outer impact or lack of battery.** Please note that in case of data loss, **MPIO Co., Ltd. will not be responsible for the lost data.**

③ When inserting/removing the USB plug into a computer, please do so by holding the plug.

④ When the product is connected to a computer, please do not cause impact or shake the connector.

⑤ You should back up the data saved in the product before requesting the after service. MPIO will consider that the customers have backed up their data before sending it to MPIO for after service. MPIO will not back up your data upon receiving the after service request. Additionally, MPIO will bear no responsibility over data loss during the service.

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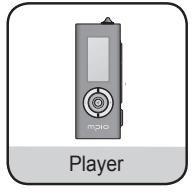
■ Product Features

※ Digital audio player with a simple design that everybody can use with ease.

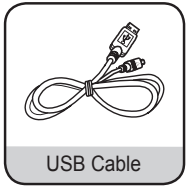
- **Supports USB 2.0 high-speed data transmission.**
  Data can be transferred and used faster and more conveniently using USB 2.0 interface.
- **Supports USB mass storage**
  MP3 player can be used as a removable disc. You can save and use the data conveniently at any time and place.
- **Supports playback of multiple formats and DRM-applied file**
  Supports playback of MP3, WMA, OGG, and ASF format music file, as well as the WMA file purchased online that is applied with DRM (Digital Rights Management).
- **FM radio function**
  Besides simple listening to the FM radio, channel saving and automatic preset functions are also provided.
- **Supports voice recording and FM recording**
  Voice and FM can be recorded.
- **Supports 7 EQ types and Live 3D Effect**
  Supported equalizer types include Normal, Pop, Rock, Jazz, Classic, Vocal, and user-defined EQ mode that allows for your preferred equalizer setting. Additionally, Live 3D Effect provides various sound effects such as Pure Studio, Concert, Groove, and Dynamic Bass.
- **12 hour-long continuous playback time**
  Low power consumption design technology ensures 12 hour long continuous playback with a single alkaline battery (AAA).
- **Provides Real Player**
  License Real Player program is bundled with this product, which enables to author MP3 file and use the music library.

■ Components

▶ Basic components


Player

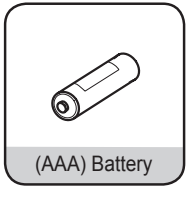
Earphones

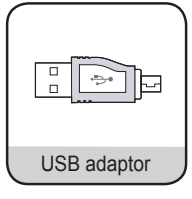

USB Cable

Installation Driver CD

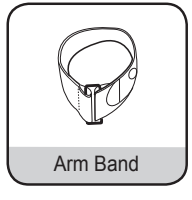
Quick guide

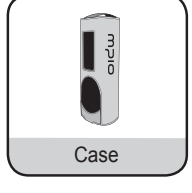
Product Warranty

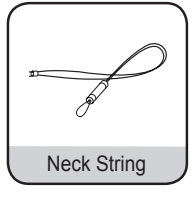

(AAA) Battery


USB adaptor

▶ Additional components (Additional components can differ depending on the sales area.)

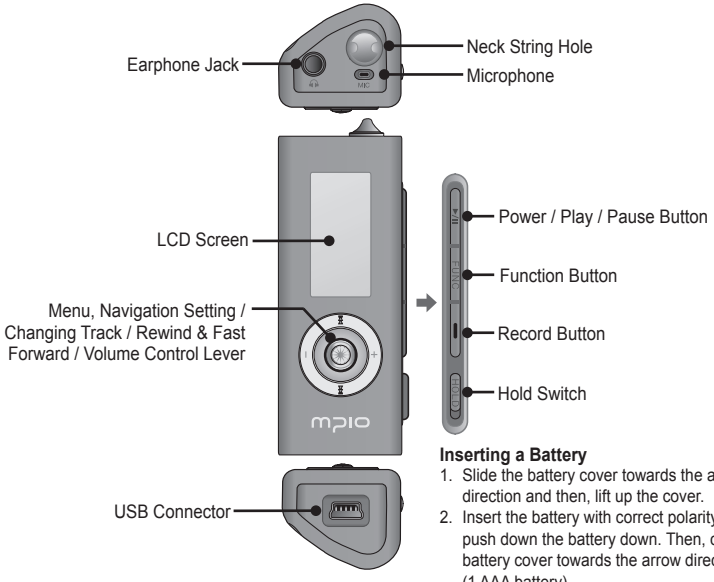

Arm Band


Case


Neck String

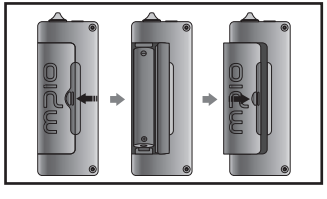
Note

- Actual player may vary slightly from images shown, and subject to change without notice.
- Broken accessories may be purchased separately at MPIO Service Center.



Inserting a Battery

1. Slide the battery cover towards the arrow direction and then, lift up the cover.
2. Insert the battery with correct polarity (+/-) and push down the battery down. Then, close the battery cover towards the arrow direction. (1 AAA battery)

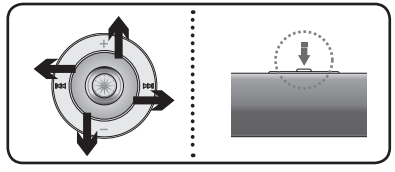


Note

- Do not apply excessive force to the cover. It can break down.

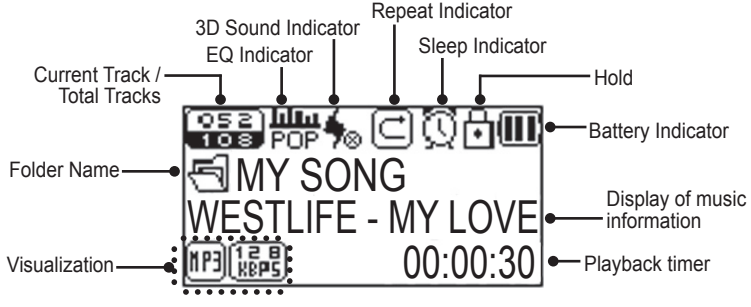
Using the Lever

Functioning by pushing the lever **up**, **down**, **left**, **right** direction and **pressing** it.



Pressing the Lever: Press the lever down or press and hold it.
Pushing Up : Push the lever or push and hold it up.
Pushing Down: Push the lever or push and hold it down.
Pushing to Left: Push the lever or push and hold it to left.
Pushing to Right: Push the lever or push and hold it to right.

LCD Screen



System Requirement

● **IBM PC**

System: USB Interface 2.0, Standard device and a CD-ROM Drive equipped
CPU: Pentium 133MHz or faster
Memory: 64MB or more
Hard disk space: 20MB or more
Supported Operating Systems: Windows 98 / 98SE / ME / 2000 / XP

● **Macintosh**

System: USB Interface 2.0, Standard device and a CD-ROM Drive equipped
EX) Power Mac G3 (Blue & White) / G4 / G4 Cube, iMac / iBook, PowerBook, PowerBook G4
Memory: 64MB or more
Hard disk space: 20MB or more
Supported Operating Systems: Mac OS version 9.2 or later

Caution

- Connection using USB Hubs or extension cables is not guaranteed.

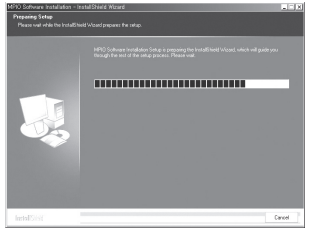
Note

- In Windows 98 / 98SE, the program must be installed to use FY600 as a removable disk. Please install the USB drivers before use.
- In Windows ME, 2000, XP, FY600 may be used as a Removable Disk without any separate programs. FY600 is accessible though the Windows Explorer.
- To format, or upgrade the firmware of FY600 in Windows 98, 98SE, ME, 2000 or XP, please install the MPIO Utility.

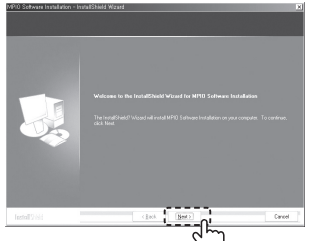
Installing the Software

How to install windows 98 device driver, MPIO utility and other utility.

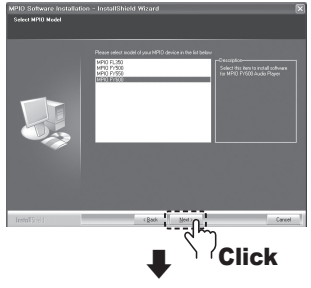
1 Insert the Installation CD into the CD-ROM Drive. The installation will auto-start and the installation will begin as shown in right. If the installation doesn't auto-start, double-click the CD-ROM icon in Windows Explorer.


MPIO Software Installation - InstallShield Wizard
Preparing Setup
Please wait while the InstallShield Wizard prepares the setup.
Cancel

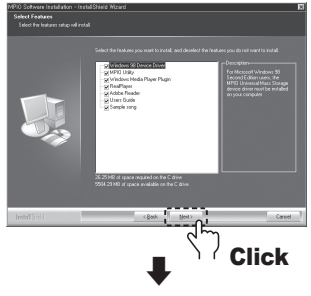
2 Click the **[Next]** button.


MPIO Software Installation - InstallShield Wizard
Welcome to the InstallShield Wizard for MPIO Software Installation
< Back
Next >
Cancel
Click

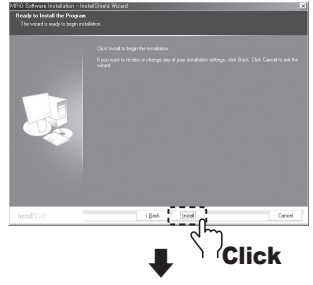
3 After selecting **[FY600]**, click the **[Next]** button.



4 Click the **[Next]** button.
All the utility programs will be installed.
The user can select the programs needed to install.
But, the following items must be installed.
- Windows 98 Device Driver
(For Windows 98/98SE user's only)
- MPIO Utility
- Windows Media Player Plug-in

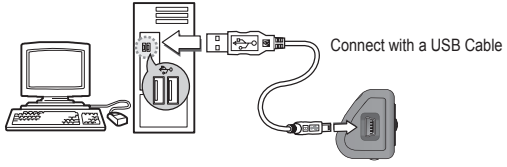


5 Click the **[Install]** button to install the selected utilities in order.



6 Click the **[Finish]** button to finish the installation.
Check the MPIO Utility icon on the desktop to confirm installation.

Connecting to a PC with a USB Cable



1 Connect FY600 to the PC with the USB cable as shown image.
- If the USB cable is disconnected from the PC during the initial USB driver installation or in middle of a command, it may malfunction.

2 The USB Driver will be installed with a message indicting “Looking for a New Device” The installation screen may not appear. Check the Device Manager to confirm the installation.

Confirming USB Installation

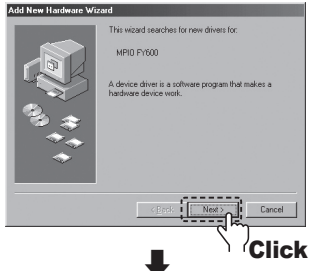
- **Windows 98/ME:**
  [Control Panel] → [Systems] → [Device Manager] →
  [Hard Disk Controllers]→ MPIO FY600 USB Device
- **Windows 2000/XP:**
  [Control Panel] → [Systems] →[Hardware]→[Device Manager]
  →[Disk Drives]→ MPIO FY600 USB Device

Note

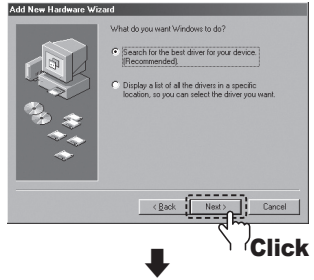
- If the system operating under Windows 98/98SE doesn’t connect with FY600 automatically, install the USB Driver manually by referring to “Installing USB Driver Manually”.

Please refer to the below only if the device is not plugged with Windows 98/98E.

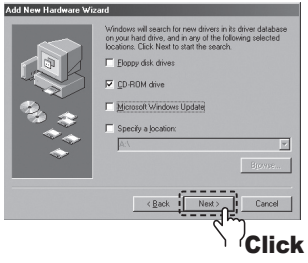
1 Connect FY600 with a computer with the USB cable. When “Add New Hardware Wizard” window appears on the screen as shown in right, click the **[Next]** button.


Add New Hardware Wizard
This wizard searches for new drivers for:
MPIO FY600
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel
Click

2 Check “Search for the driver for your device”, click the **[Next]** button.


Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel
Click

3 Insert the CD included in the package into the CD-ROM, check “CD-ROM DRIVE” and click the **[Next]** button.


Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
Browse...
< Back
Next >
Cancel
Click

4 When the driver installation is completed, an “Installation complete” window will appear on the screen. Then, click the **[Finish]** button.

Go to the following destination to confirm that the installation was completed successfully.

- **Windows 98/ME:**
  [Control Panel] → [Systems] → [Device Manager] → [Hard Disk Controllers]→ MPIO FY600 USB Device

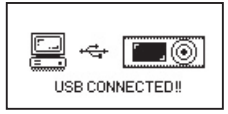
Note

- In Windows 98 / 98SE, the program must be installed to use FY600 as a removable disk. Please install the USB drivers before use.

Uploading / Downloading File

1 Connect FY600 with a USB cable with the power turned OFF.
- If connected, a connection icon will appear in the LCD screen.

2 Run Windows Explorer on the PC
- A Removable Disk Drive Icon will be created in Windows Explorer.

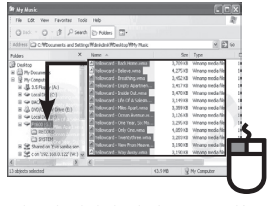


The USB connection screen when the power is ON/OFF.

3 The user can store, delete data and create a folder in the same way as a hard drive. Copy & Paste, Drag & Drop commands can be used in the same way to store data.

Copy & Paste: Select the data to store, click on right mouse button. Select “Copy” and then “Paste” in the Removable Disk drive.

Drag & Drop: Select the data store, click and hold down the left mouse button to drag the files into the Removable Disk drive, and then release the left mouse button.



Caution

- If the USB cable is disconnected while a file is being uploaded or downloaded, the device may malfunction.
- The music file display order in Windows Explorer when you select a removable disc can be different from the actual playback order.
- If you rename music files like 001***, 002***… in Windows Explorer, you can play them back by the order of number in the file name.

■ Using Removable Disk

It is recommended that you follow these directions for separating the device from the PC safely. If these instructions are not followed, it may result in data damage or product malfunction.

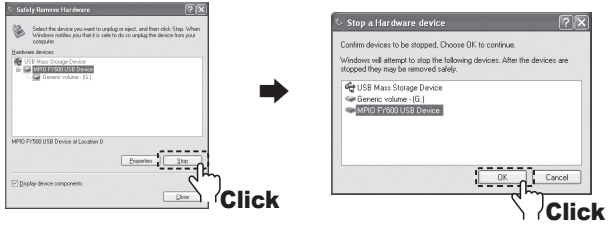
- **Windows 98/98SE Users**
  - There is no Safely Remove Hardware command in Windows 98/98SE.
    The user must wait until the file/data transfer is complete, and then disconnect the USB Cable.

Disconnecting the USB Cable

1 Place mouse cursor on “Stop a Hardware Device” icon in the system tray, and click right mouse button.

2 Select “Stop USB Mass Storage Device”.

3 Select USB Mass Storage Device from the list of hardware, and click the **[Stop]** button. When the “Stop a Hardware Device” window appears, select MPIO FY600 USB Device. Then, click the **[OK]** button and disconnect the USB Cable.



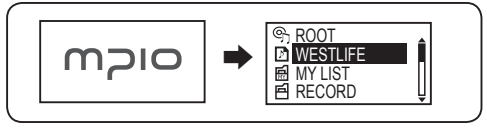
Note

- In Windows 2000, disconnect the USB cable by clicking the **[OK]** button after the “Safely Remove Hardware” message appears.
  In Windows XP, disconnect the USB cable after the “Safely Remove Hardware” message appears.

■ Listening to Music

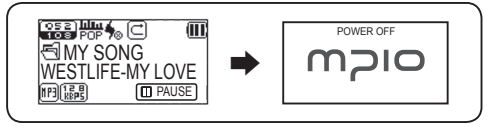
To Play Music(Turning Power ON)

Navigation screen will appear by pressing longer ▶/II button after turning the player on with a logo screen. Select file you wish to playback.
Press ▶/II button to play music.
For more details of ‘how to move folders or files, see ‘Using Navigation Mode’ in page 25.



To Stop (Turning Power OFF)

Pressing ▶/II button pauses during playback and it is automatically turned-off if there is no any further operation for 3 minutes.(In case default setting)
It is automatically turned off if the ▶/II button is pressed longer during playback as well.

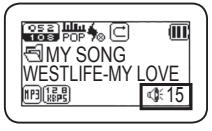


Note

- Auto power off time can be changed by setting.(See page 59). You can set in Menu.

To Adjust the Volume

Push the lever toward **+ / −** direction during playback or pause to adjust the volume.



Note

- The volume can be adjusted from 00 to 40.
- To adjust the volume gradually, push the lever and to adjust the volume fast, push and hold the lever.

Hold Function

Use the Hold function so that other buttons do not work during playback.
To use the Hold function, push the HOLD switch in the direction of the arrow.

Note

- If the Hold function is activated, other buttons will not work. And an icon shown in right will appear on the LCD screen.
- To deactivated the Hold function, push the switch in opposite the direction of the arrow.

1 Press and hold the **FUNC** button during playback or in pause.

2 Pushing **FUNC** button can change either music playback or FM radio mode.

The screen changed from playback mode to FM radio mode.

The screen changed from FM radio mode to playback mode.

■ Voice Recording

1 Voice recording starts if **REC** button is pressed during pause.
- Voice Recording does not work while music is playing.

2 Press the ▶/■ button to pause the recording. Press the ▶/II button again to resume the recording.

3 Press the **REC** button to stop voice recording after saving the recorded file.

Note

- The files will be stored in order of VOICE001, VOICE002, etc. And it will be stored in the RECORD folder as a MP3 file.
- When storing the voice recording files, recording wills stop automatically if there aren't sufficient memory space.
- Pressing the REC button in FM Mode will record the radio. Be sure to use voice recording in MP3 Mode.
- The voice recording memory is limited to 64MB for each. In case the volume of any voice recording is more than 64MB, the file being recorded is automatically saved and it continues recording by creating a new file. To operate this, it needs around 2 seconds and during that period(2seconds), voice recording stops.

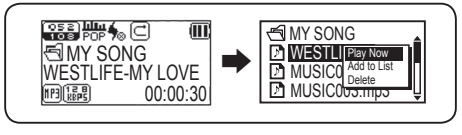
■ Using Navigation Mode

Uses navigation function for more convenient to search folders or files you wish.

1 Press the lever during playback or in pause to enter Navigation Mode.
- A file list will appear on the LCD screen.

2 Select the file or folder to play.
- **Entering a folder**: After selecting the folder, press or push the lever in ▶▶I direction.
- **Leaving a folder**: Push the lever in I◀◀ direction.

3 Pressing the ▶/II button or lever down without selecting pop-up menu or push the lever toward ▶▶I direction can playback the file you selected.
- Press the FUNC button and move the lever toward **+ / −** direction to select **Play Now** and playback file by moving the lever toward ▶▶I direction or pressing it down. Press ▶/■ button to playback as well.



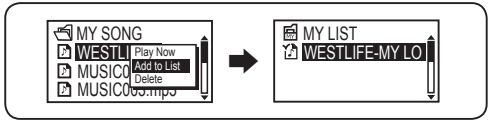
Note

- Push the lever toward I◀◀ direction to exit the Navigation Mode.

Setting My List

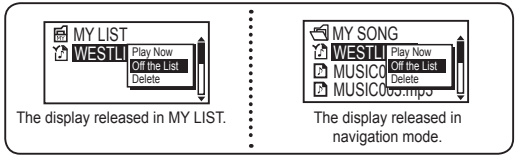
1 Press the **FUNC** button after moving to the file you want in navigation mode.
- A pop up menu will appear.

2 Push the lever in **+ / −** directions to select **Add to List**, and press the lever to add the selected items to My List.
- The icon of the selected file will be changed to (→).
- Check the file set in MY LIST folder in navigation mode.



3 Enter My List in Navigation Mode and play the selected files.

4 To deselect the files from My List, use the Navigation Mode to select the file to remove.
Then, press the **FUNC** button and select **Off the List**.

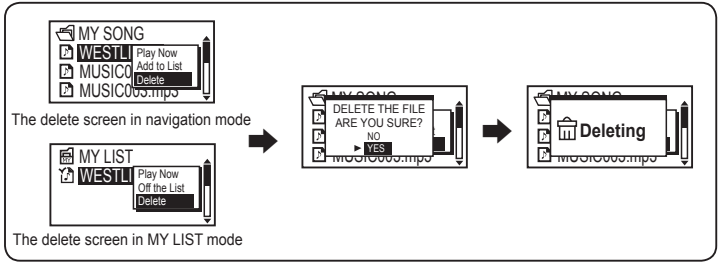


1 Press **FUNC** button after moving to the file you want to delete in navigation mode.
- A pop up menu will appear.

2 Push the lever toward **+ / −** direction to select **Delete** and then, push the lever toward ▶▶| direction or press the lever down toward vertical direction.

3 Push the lever toward **+ / −** direction to select **YES** in **DELETE THE FILE ARE YOU SURE?** window and then, push the lever toward ▶▶| direction or press down toward vertical direction to execute deleting.
- Select **NO** to cancel delete.

4 The file selected is deleted.



Note

- Release navigation mode to cancel delete.
- If there is a music file in MY LIST, it is deleted as well in case the music file is deleted in navigation mode.
- If a music file in MY LIST is deleted, the music file is not deleted in navigation mode.

Fast Forward / Rewinding During Playback

- Push the lever in ⏮/⏭ directions during playback to Fast forward / rewind the music. Release the lever to resume playback.

Finding Files During Playback

- Push the lever in ⏭ direction during playback to play the next track.
- After starting playing back, push the lever in ⏮ direction to go back to the last track in the first 10 seconds and push the lever in ⏮ direction after 10 seconds to restart the current track from the beginning.

Finding Files When Playback is Stopped

- Push the lever in ⏮/⏭ directions to move to next / previous track when playback is stopped.

Note

- The MP2 or MP1 format files with extensions changed to MP3 may not played by FY600.
- When playing VBR files, pushing the lever in ⏮ direction within the first 10 seconds may not play the previous track.

Press and hold the FUNC button to switch to FM Mode. (Refer to "Switching Mode" on page 23)

Searching Radio Frequency Manually (Scan Mode)

- Push the lever toward ⏮/⏭ direction to move to the frequency being received.

Searching Radio Frequency Automatically (Scan Mode)

- Push and hold the lever toward ⏮/⏭ direction automatically to search for the frequency being received.

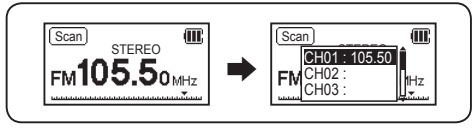
Note

- Frequency seek steps can be changed in [FM Radio]/[Seek Step] Menu settings.

Setting Save Channel

A function for saving the selected frequency

1. When the lever is pressed while listening to FM Radio, **Save Channel** screen will appear.
2. Push the lever in **+ / −** direction to select channel number. Push the lever in ⏭ direction or press it to save the frequency.



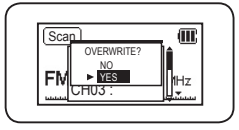
Note

- FM radio mode is not entered with low battery.
- Up to 20 channels are savable.
- The channels saved are verified in [FM Radio] → [Save Channel] in menu.
- Save Channel is also available in FM radio menu.(see page 38)
- FM channel can not be deleted but the new frequency can be saved in the channel that had been saved previous frequency.

Changing Radio Frequency Saved

1 Press the lever towards the vertical direction shortly, and select the saved channel number when the Save Channel window appears. Then, push the lever towards the ▶▶| direction.

2 Push the lever toward **+ / −** direction in **OVERWRITE?** window to select 'YES' and then, push the lever toward ▶▶| direction or press down toward vertical direction to execute overwrite function.



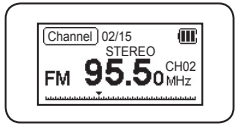
Listening to Saved Channels (Channel Mode)

Press the FUNC button to change the reception mode (SCAN↔ CHANNEL).

1 Press the **FUNC** button to select CHANNEL MODE.

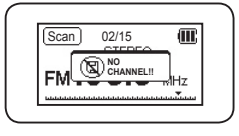
2 Push the lever in |◀◀ / ▶▶| directions to move between the saved frequencies (channels).

3 The saved channel is selected.



Note

- If there aren't any saved frequencies (channels), **NO CHANNEL!!** message will appear on the screen and the device will remain in SCAN mode.
- For more detailed information about the FM Menu, refer to pages 38~42.

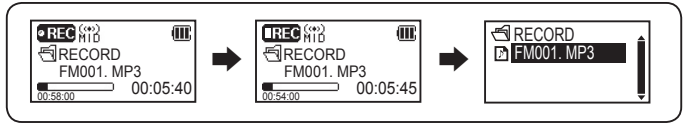


Records the selected FM Radio broadcast

1 Press the **REC** button to start FM radio recording while listening to FM radio.

2 Press the ▶/II button to pause the recording. Press the ▶/■ button again to resume the recording.

3 Press the **REC** button to stop voice recording after saving the recorded file.

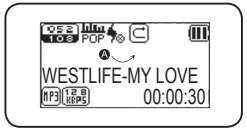


Note

- The files will be stored in order of FM001, FM002, etc. And it will be stored in the RECORD folder as a MP3 file.
- When storing the voice recording files, recording wills stop automatically if there aren't sufficient memory space.
- The voice recording memory is limited to 64MB for each. In case the volume of any voice recording is more than 64MB, the file being recorded is automatically saved and it continues recording by creating a new file. To operate this, it needs around 2 seconds and during that period(2seconds), voice recording stops.

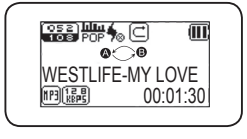
Repeat Section Start Position

Press the **REC** button in the start position of the music/voice file to repeat during playback.
Ⓐ◡ appears on LCD window and Ⓑ icon is blinking.



Repeat Section End Position

Press the **REC** button again at the desired end position.
Ⓐ◡Ⓑ mark will appear in the LCD screen.
The selected section will be repeated.

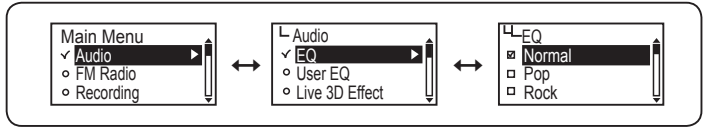


Note

- Press the REC button again to release repeat.
- Pause is usable during Sector Repeat.

How to Use the Menu

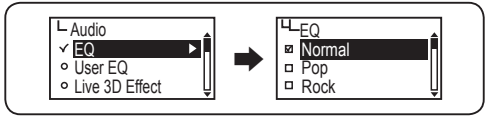
Press and hold the lever to enter the menu.
Selecting Menu: Push the lever in **+ / −** directions to move the highlight.
Entering Menu: Push the lever in ▶▶| direction or press the lever to enter the menu.
Changing Settings: Push the lever in **+ / −** directions to change the setting.
Saving Changed Settings: Push the lever in ▶▶| direction or press the lever to save the setting.
Going Back in Menu Tree: Push the lever in |◀◀ direction.
Canceling Menu Changes: Push the lever toward |◀◀ direction to release from Menu without saving the value selected.



Audio: How to set the effect of music file.
FM Radio: Setting the options of FM Radio Mode
Recording: Setting the options for voice recording mode
Display: Setting the options for the screen
System: Adjusting system settings

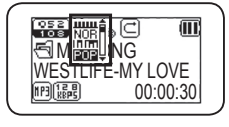
Changing the EQ Setting

1. Select **Audio** in the menu.
2. Push the lever in **+ / −** directions to select **EQ** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to elect the EQ item and then, push the lever in ▶▶| direction or press it to save the setting. After saving, device will automatically return to the previous menu.



Using FUNC Button

1. Press the **FUNC** button during playback.
2. Push the lever toward **+ / −** direction to select the **EQ** and then, press the lever down toward vertical direction or press the **FUNC** button to save the setting value.



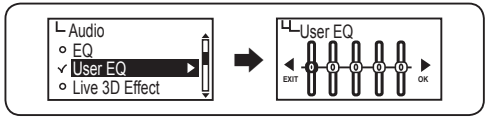
Note

- **EQ Icon order**
  The EQ icons will be changed in the following order:
  Normal (NOR) → Pop (POP) → Rock (ROC) → Jazz (JAZ) → Classic (CLA) → Vocal (VOC)
- It playbacks with the EQ saved in the EQ(USR), if you set the EQ with the EQ(USR).

Setting User EQ

You can define your own EQ effect by adjusting the setting values in each frequency range, instead of the pre-defined EQ setting values.

1. Select **Audio** in the menu.
2. Push the lever in **+ / −** directions to select **User EQ** and then, push the lever in ▶▶| direction or press it to enter.
   - User EQ setting will appear in the LCD screen.
3. Push the lever in |◀◀ / ▶▶| directions to change the frequency band and then, push the lever in **+ / −** directions to adjust the frequency band settings.
4. It moves to the previous menu after saving the setting value if the lever is pushed toward ▶▶| direction or press the lever down toward vertical direction to move to **OK** after completing setting the bandwidth of each frequency.



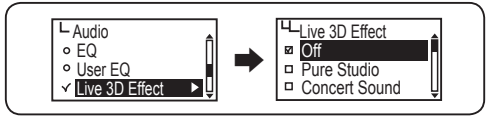
Note

- **Canceling User EQ Settings**
  Push the lever in |◀◀ direction and move to the EXIT to cancel User EQ setting.

Setting 3D Sound Effect

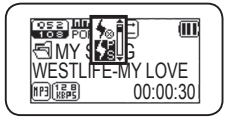
3D sound effect will enhance your music experience.

1. Select **Audio** in the menu.
2. Push the lever in **+ / −** directions to select **Live 3D Effect** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to select the 3D effect and then, push the lever in ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Using FUNC Button

1. Press the **FUNC** button during playback.
2. Push the lever toward ▶▶| direction to select 3D sound effect icon and then, push the lever toward **+ / −** direction.
3. Press the lever down toward vertical direction or press the **FUNC** button to save the setting value.



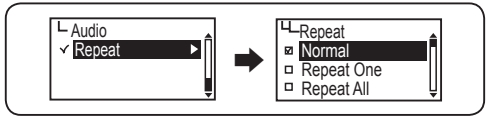
Note

- **The changing order of 3D sound effect**
  Off → Pure Studio → Concert Sound → Groove → Dynamic Bass
- 3D sound can not be applied during playback of OGG file.

Changing Play Order

Select 'How to playback' of the music files saved.

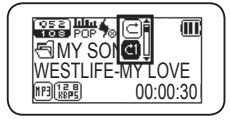
1. Select **Audio** in the menu.
2. Push the lever in **+ / −** directions to select **Repeat** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever toward **+ / −** direction to select the order of playback wanted and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Normal : Plays the music file(s) once including folder
Repeat One : Repeats only one music file
Repeat All : Repeats all the music file(s)
Random : Plays randomly all the music file(s)
Directory Normal : : Plays the music file(s) once in the folder selected.
Directory Repeat : Repeats all the music file(s) in folder.
Directory Random : Plays randomly all the music file(s) in folder.

Using FUNC Button

1. Press the **FUNC** button during playback.
2. Push the lever toward ▶▶| direction to select the icon of playback order and then, push the lever toward **+ / −** direction to select.
3. Press the lever down toward vertical direction or press the **FUNC** button to save the setting value.



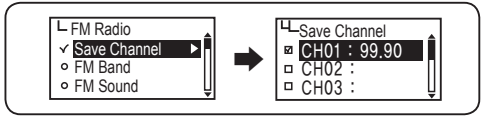
Note

- **The icon of playback changing order:**
  Normal ( ) → Repeat One ( ) → Repeat All ( ) → Random ( ) →
  Directory Normal ( ) → Directory Repeat ( ) → Directory Random ( )

Saving Channel in Menu

Set by pressing and hold the FUNC button after change to FM radio mode.
Saving channel in menu can not be set in music mode.

1. Select **FM Radio** in menu.
   - Set the frequency you want to save.
2. Push the lever toward **+ / −** direction to select save channel and then, push the lever toward ▶▶| direction or press down toward vertical direction to enter.
3. Push the lever toward **+ / −** direction to select the number of channel and then, push the lever toward ▶▶| direction or press down toward vertical direction to save the setting value.



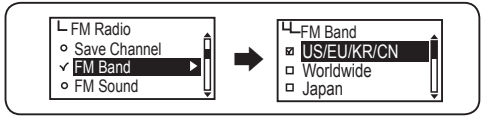
Note

- FM radio mode can not be entered with low battery.
- Up to 20 channels are savable.

Setting FM Frequency Bandwidth

Select the FM frequency band to receive.

1. Select **FM Radio** in menu.
2. Push the lever in **+ / −** directions to select **FM Band** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to select the FM Band and then, push the lever in ▶▶| direction or pushing it to save. After saving the FM Band setting, the device will return to its previous menu.



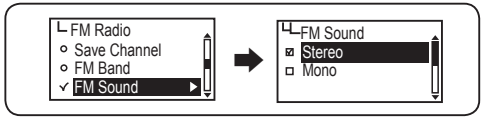
FM Frequencies for each region

Korea/USA/China/Europe	87.5MHz ~108MHZ
Worldwide	76MHz ~108MHZ
Japan	76MHz ~92MHZ

Setting FM Sound

Select the sound modes for FM Radio.

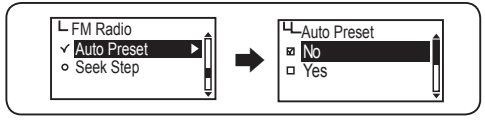
1. Select **FM Radio** in menu.
2. Push the lever in **+ / −** directions to select **FM Sound** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to select the FM sound and then, push the lever in ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Setting Auto Channel Save

Set by pressing and hold the FUNC button after change to FM radio mode.
Auto scan menu can not be set under the other mode.

1. Select **FM Radio** in menu.
2. Push the lever in **+ / −** directions to select **Auto Preset** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever toward **+ / −** direction to select **Yes** and then, push the lever toward ▶▶| direction or press down toward vertical direction to delete the channel saved and automatically save the receivable frequency sequentially.
   - Select NO to cancel auto channel save.



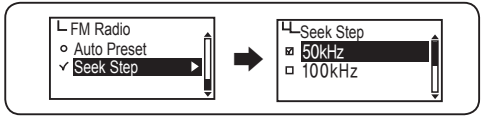
Note

- Up to 20 channels are savable.
- The channels saved can be verified in Save Channel mode.
- Radio plays with the channel saved as the first(CH01) after complete auto channel saving.

Setting Seek Steps

Select the seek steps for scanning frequencies.

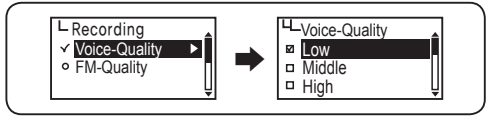
1. Select **FM Radio** in menu.
2. Push the lever in **+ / −** directions to select **Seek Step** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to select the seek step and then, push the lever in ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Setting the Quality of Voice Recording

Set the quality of voice recording.

1. Select **Recording** in menu.
2. Push the lever in **+ / −** directions to select **Voice-Quality** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever toward **+ / −** direction to select the voice quality and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



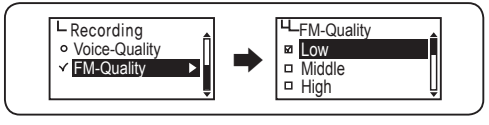
Setting the Quality of FM Recording

Set the quality of FM recording.

1. Select **Recording** in menu.

2. Push the lever in **+ / −** directions to select **FM-Quality** and then, push the lever in ▶▶| direction or press it to enter.

3. Push the lever toward **+ / −** direction to select the FM quality and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



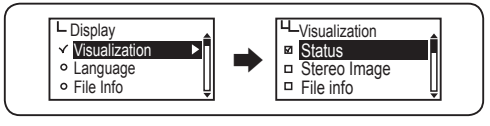
Select Visualization

Select the visualization shown at the bottom of the LCD screen.

1. Select **Display** in menu.

2. Push the lever in **+ / −** directions to select **Visualization** and then, push the lever in ▶▶| direction or press it to enter.

3. Push the lever in **+ / −** directions to select the visualization to use and then, push the lever in ▶▶| direction or press it to save. After saving, the device will return to its previous menu.
   - The selected visualization will appear at the bottom of the LCD Screen.



Visualization Setting Icons

Status	
Stereo Image	
File info	
Level meter	

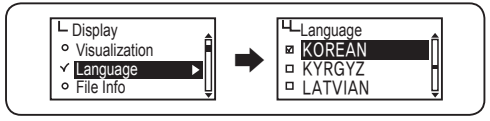
Setting Language

Assigning the language of ID3 tag of the music can display the accurate information of the file. 55 differences of languages support ID3 tag in total. English, Korean, Traditional Chinese, Simplified Chinese, Japanese, Spanish and Russian support ID3 tag with menu among 55 languages.

1. Select **Display** in menu.

2. Push the lever in **+ / −** directions to select **Language** and then, push the lever in ▶▶| direction or press it to enter.

3. Push the lever in **+ / −** directions to select the desired menu language and then, push the lever in ▶▶| direction or press it to save. After saving, the device will return to its previous menu.
   - The selected language will appear in the menu.



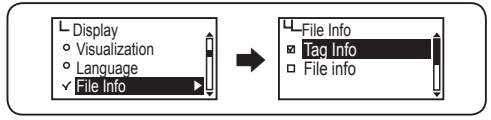
Setting Track Information Indicator

Set the Music file information shown in the LCD screen.

1. Select **Display** in menu.

2. Push the lever in **+ / −** directions to select **File Info** and then, push the lever in ▶▶| direction or press it to enter.

3. Push the lever toward **+ / −** direction to select track information and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Tag Info : It shows tag information only in case the file has tag information. If there is no tag information, it just shows name of the file.
File info : It displays the name of the file.

Note

- 55 languages shown in Language settings are supported as ID3 tags. Refer to page 46 for language setting.

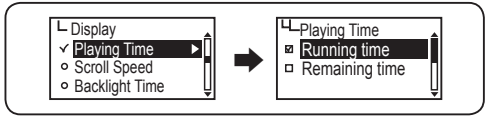
Setting Playing Time Indicator

Select the Playing Time indicator shown in the LCD screen.

1 Select **Display** in menu.

2 Push the lever in **+ / −** directions to select **Playing Time** and then, push the lever in ▶▶| direction or press it to enter.

3 Push the lever toward **+ / −** direction to select the playback time and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Running time: Shows the playing time of the current song.
Remaining time: Shows the remaining time of the current song.

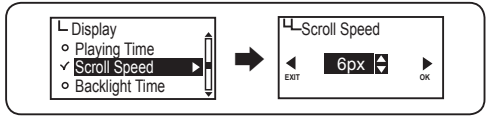
Setting Scroll Speed

Adjust the scroll speed of the text shown in the LCD screen.

1 Select **Display** in menu.

2 Push the lever in **+ / −** directions to select **Scroll Speed** and then, push the lever in ▶▶| direction or press it to enter.

3 Push the lever in **+ / −** directions to select the desired scroll speed. Push the lever in ▶▶| direction toward **OK** to save the setting. Pressing the lever shortly will also save the setting. After saving, the device will return to its previous menu.



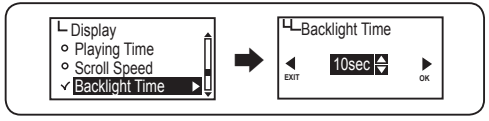
Note

- The range of the text scroll speed is from 2~16 pixels and it is divided into 5 different levels. Select the desired scroll speed.

Setting Lighting Time

Set the light time for the LCD screen.

1. Select **Display** in menu.
2. Push the lever in **+ / −** directions to select **Backlight Time** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to select the desired lighting time. Save the setting by pushing the lever in ▶▶| direction toward **OK**. Pressing the lever shortly will also save the setting. After saving, the device will return to its previous menu.



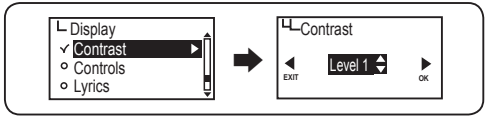
Note

- The lighting time can be adjusted from 5~20 seconds.
- If the backlight is set to "ON", the LCD is continuously on and the backlight can not be turned on with low battery.

Setting Contrast

You can adjust the contrast of the LCD window.

1. Select **Display** in menu.
2. Push the lever in **+ / −** directions to select **Contrast** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever towards **+ / −** direction to select the contrast you wish. Then, push the lever towards ▶▶| direction and move to OK to save the setting value. Press the lever towards vertical direction to save the setting value. Then, the previous menu will appear when the setting value is saved.



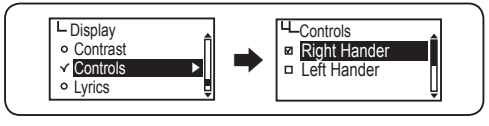
Note

- You can adjust the contrast within the range of 1 to 5.
- The bigger the level value, the darker the screen.

Setting the Lever Controls

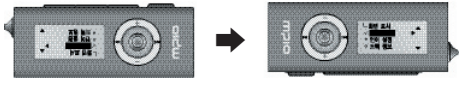
The direction of information on LCD is changeable for right/left handed people to operate better.

1. Select **Display** in menu.
2. Push the lever in **+ / −** directions to select **Controls** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever toward **+ / −** direction to select the method of lever controls and push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Right Hander : It shows to be operated with right hand.(default setting)

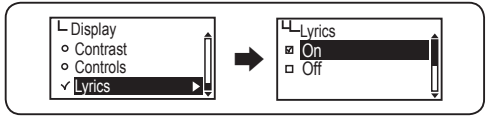
Left Hander : It shows to be operated with left hand, rounding LCD screen to 180 degree.



Setting Lyrics

Select to display the lyrics' information onto LCD during playback of MP3, WMA with lyrics' information. If adding lyrics' information needed, please refer to the appendix, regarding 'adding lyrics''(lyrics' sync)

1. Select **Display** in menu.
2. Push the lever in **+ / −** directions to select **Lyrics** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to turn Lyrics on of off and then, push the lever in ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



On: Shows the available lyrics information of the current file.
Off: Hides the lyrics of the current song.

Caution

- Any file format that MPIO does not support might not be able to display the lyrics even if they have lyrics' information.
- The lyrics' display function can not be supported depends on area.

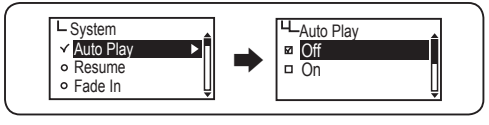
Setting Auto Playback

The device may be set to play music automatically once the power is turned ON.

1. Select **System** in menu.

2. Push the lever in **+ / −** directions to select **Auto Play** and then, push the lever in ▶▶| direction or press it to enter.

3. Push the lever toward **+ / −** direction to select setting auto playback and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Off : Navigation screen appears when the power is ON and press the ▶/■ button to playback.
On : The device will automatically play music once the power is turned On.

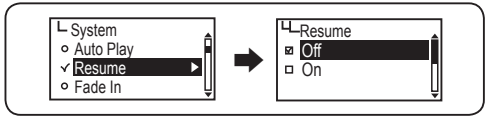
Setting Memorized Playback

When turned On, the Resume function allows the player to begin playing music from the last position.

1. Select **System** in menu.

2. Push the lever in **+ / −** directions to select **Resume** and then, push the lever in ▶▶| direction or press it to enter.

3. Push the lever toward **+ / −** direction to select Memorized playback and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.

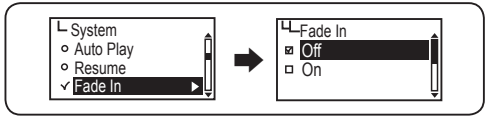


Off: When turned On, the device will play music from the last position.
On: When turned On, the device will turn the play music from the beginning.

Setting Fade In

Fade in setting increase the music volume steadily so that the user is not surprised by the loud music.

1. Select **System** in menu.
2. Push the lever in **+ / −** directions to select **Fade In** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever toward **+ / −** direction to select Fade in and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.

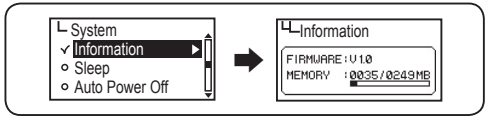


Off: When the music begins, it will be played in the original volume.
On: The volume of the intro is to be gradually increased when the music starts.

Confirming Device Information

Check the version of firmware saved on the device, using memory size and the information of the whole memory size.

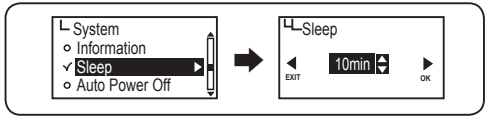
1. Select **System** in menu.
2. Push the lever in **+ / −** directions to select **Information** and then, push the lever in ▶▶| direction or press it to enter.
3. The System Information will be shown on the screen



Setting Sleep Timer

When listening to music or FM radio, you can set up the device so that the power is automatically turned OFF after a certain period of time.

1. Select **System** in menu.
2. Push the lever in **+ / −** directions to select **Sleep** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to set the timer and then, push the lever in ▶▶| direction toward **OK** to save the setting. Pressing the lever shortly will also save the setting. After saving, the device will return to its previous menu.



Note

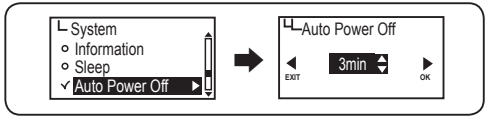
- **Canceling Sleep Timer**

  Push the lever in |◀◀ direction and move to the EXIT to cancel the sleep timer.
- Setting the 'reserved power off' is settable from 10~120 minutes and select OFF when it is not needed.
- The setting value automatically returns to OFF if the power is resumed after setting the 'reserved power off".

Setting Auto Power Off Time

Auto Power Off function turns the power OFF when a certain period of time passes after the music is paused or stopped.

1. Select **System** in menu.
2. Push the lever in **+ / −** directions to select **Auto Power Off** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to set the Auto Power Off timer. Push the lever in ▶▶| direction toward **OK** to save the setting. Pressing the lever shortly will also save the setting. After saving, the device will return to its previous menu.



Note

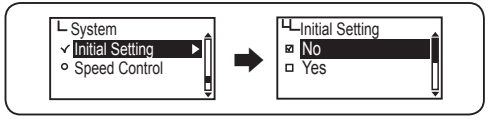
- **Canceling Auto Power Off Settings**

  Push the lever in |◀◀ direction and move to the EXIT to cancel the Auto Power Off settings.
- Setting the 'auto power off time' is settable from 3~15 minutes and turn it off when it is not needed.

Initializing to Default

Resets all the user's menu settings and initializes all menu settings to default settings.

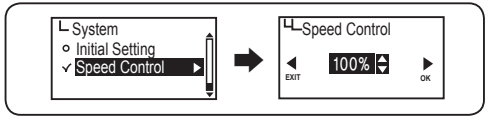
1. Select **System** in menu.
2. Push the lever in **+ / −** directions to select **Initial Setting** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever toward **+ / −** direction to select **Yes** and then, push the lever toward ▶▶| direction or press it to save. After saving, the device will return to its previous menu.



Setting Playback Speed

Playback speed can be adjustable and it is very useful on studying foreign language.
Playback speed control is applied to only MP3 file format.

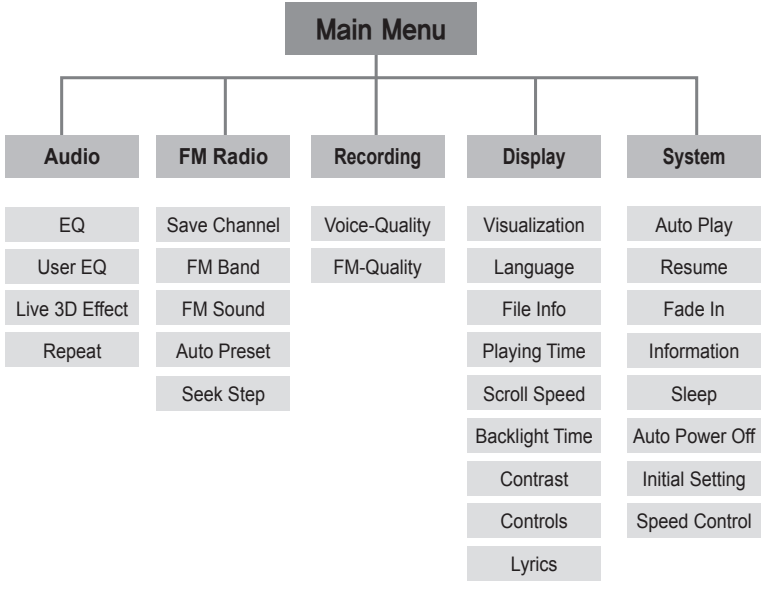
1. Select **System** in menu.
2. Push the lever in **+ / −** directions to select **Speed Control** and then, push the lever in ▶▶| direction or press it to enter.
3. Push the lever in **+ / −** directions to select the playback speed and then, press the lever in ▶▶| direction toward **OK** to save. Pressing the lever shortly will also save the setting. After saving, the device will return to its previous menu.



Note

- **Canceling playback speed settings**
  Push the lever in |◀◀ direction and move to the EXIT to cancel the playback speed settings.
- Setting playback speed is settable up to 75~150%.
- The higher percentage represents increased speed. The default setting of 100% is recommended for listening to music.
- The playback speed automatically returns to normal if the power is resumed after setting the 'playback speed control'.

■ Menu Structure



■ Formatting

You can format FY600 from a Windows PC using MPIO Utility.

1 Turn the power of FY600 ON and connect it to a computer using a USB cable.

2 Double-click **MPIO Utility** icon in your desktop.

3 Click the **[Format & Config]** button.

4 Click the **[OK]** button.

5 Click the **[Start]** button.

6 Click the **[OK]** button.

7 When formatting is complete, click the **[OK]** button.

8 Click the **[Close]** button.

9 Click the **[OK]** button after the "Safely Remove Hardware" message appears as shown.

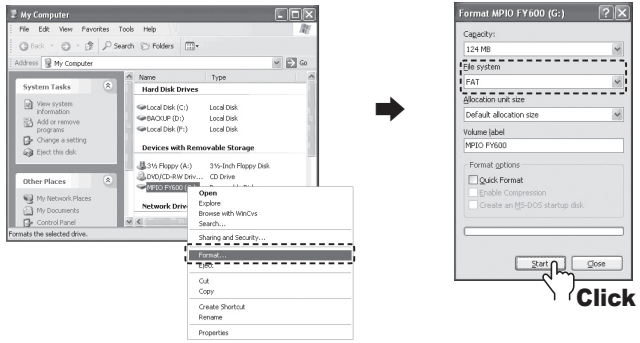
10 After clicking the **[OK]** button, **Format & Config** (**Default Setting Restoration**) is complete. You may separate the device from the PC.

Note

- The captured screens of MPIO Utility may vary for the user's PC environment.
- MPIO Utility cannot be run under MAC OS.
- For information regarding MPIO Utility installation, refer to [Installing the software] on page 13.

Follow the instructions when formatting FY600 using a Windows PC without MPIO Utility. Using MPIO Utility is recommended for formatting the device.

1 Select the Removable Disc icon. Click your right mouse button and select FORMAT. Click the **[Start]** button.



Note

- When formatting the device using the Windows FORMAT Command, it must be formatted in FAT or FAT16. To use the device after it has been formatted, the default settings must be restored using MPIO Utility. Refer to page 66 [Storing Default Settings] for more information.
- The captured screens of MPIO Utility may vary for the user's PC environment.

Caution

- The files in FY600 WILL BE LOST after formatting.

■ Storing Default Settings

When FY600 has been formatted using the Windows FORMAT Command (FAT or FAT16), the default settings must be restored using MPIO Utility's Setup Config function. Refer to page 13 [Installing the software] for more information about installing MPIO Utility.

1 Turn the power of FY600 ON and connect it to a computer using a USB cable.

2 Double-click **MPIO Utility** icon in your desktop.

3 Click the **[Setup Config]** button.

4 Click the **[OK]** button

5 Click the **[OK]** button after the Safely Remove Hardware message appears as shown.

mpio Utility
Safe To Remove Hardware
The 'USB Mass Storage Device' device can now be safely removed from the system.
OK
Click

6 After clicking the **[OK]** button, **Setup Config** (Default Setting Restoration) is complete. You can unplug the device from the PC.

■ Upgrading Firmware

The files in FY600 will be lost after upgrading firmware.
Refer to page 13 [Installing the software] for information on how to install MPIO Utility.

1 Download the firmware from the MPIO web site, and uncompress and save it in the PC. (www.mpio.com)

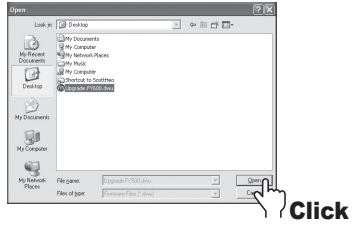
2 Turn the power of FY600 ON and connect it to a computer using a USB cable.

3 Double-click **MPIO Utility** icon in your desktop.

4 Click the **[F/W Upgrade]** button.

5 Click the **[OK]** button.

6 Select the downloaded **Upgrade.FY600.dwu** file in the **[Browse]** window and then, click the **[Open]** button.



Note

- The firmware upgrade files provided at MPIO web site are compressed as ZIP files. When you unzip the file, a TXT file with information about the changes and an Upgrade_FY600.ROM file will be created.

7 Click the **[OK]** button after the Hardware Safely Removed message appears as shown.

mpio Utility
Safe To Remove Hardware
The 'USB Mass Storage Device' device can now be safely removed from the system.
OK
Click

8 After clicking the **[OK]** button, the first part of **firmware upgrade** is complete.

9 Firmware is automatically upgraded when the device is unplugged from your PC.
When the firmware upgrade is complete, FY600 will be turned OFF automatically.

Caution

- Please be aware if you apply external shock or the battery is low while the player is upgrading the firmware, it can cause product breakdown or malfunction.

Upgrading Firmware in Macintosh

The files in FY600 will be lost after upgrading firmware.

1 Download the firmware for Macintosh from the MPIO web site, and uncompress and save it in the PC. (www.mpio.com)

2 Turn the power of FY600 ON and connect it to a computer using a USB cable.

3 Save the firmware upgrade file (Image.dat, Player.rom, and Upgrade.axf) in FY600.

4 Separate FY600 from the computer.

5 Firmware is automatically upgraded when the device is unplugged from your PC.
When the firmware upgrade is complete, FY600 will be turned OFF automatically.

Note

- To upgrade the firmware, there must be 10MB of free memory space in FY600's memory.
- Formatting FY600's memory using Macintosh PC is not recommended. To format FY600, please contact the customer support center.
- The firmware upgrade files for Macintosh are compressed as Stuffit files. When you unzip the file, a TXT file with information about the changes and an (Image.dat, Player.rom, and Upgrade.axf) file will be created.
- Causing outer impact on FY600 or lack of battery during firmware upgrade may cause a malfunction.

I cannot turn on the player.

- If the battery is completely discharged (flat), the player cannot be turned on. Replace with battery with new one and turn the player on.

I cannot hear any sound or, I can hear noise.

- Check the sound volume.
- Your player may be influenced by the neighboring electrical device.
- If the music file is damaged, noise or sound interruption can occur.

Letters on the LCD look broken.

- Reset the language to English in the [Setting language] (See page 46). Then, set the file name using the [Setting display of track information] menu (See page 47).If the problem still cannot be resolved, contact our customer service center. However, some special fonts/languages may still look broken.

I can see that some memory is used but no saved file is found.

- Execute the [Format & Config] command using MPIO utility. (See page 63.) If you run the above command, all files in the product will be removed. You can check the data file only when the player is connected to the PC.

Letters on the LCD look broken. I can hear noise and cannot set the broadcasting channel when I listen to the radio.

- Your player may be influenced by the neighboring electrical device. Secure enough distance.
- The earphone plays a role of an antenna when listening to the radio. Therefore, reception sensitivity can be deteriorated if you don't use an earphone. Of, FM reception may be poor in some area. Please understand that.

I cannot download the file from the PC

- Connection to the PC using the extension cable or USB hub cannot be guaranteed.
- Make sure to use the USB cable provided with the product as an accessory when connecting the player to the PC.

FY600 suddenly stops and something seems wrong.

- Check the battery. Lack of battery may cause FY600 to stop.

Upgrading the firmware is too hard.

- Try using the bundled MPIO utility. Mac users can just copy the provided file into FY600.

■ Product Specifications

Dimensions		27(W) × 68.4(H) × 22.6(D)/mm
Weight		23g (excluding a battery)
Display(LCD)		128×64 Full Graphic LCD
Memory		128MB / 256MB / 512MB / 1GB / 2GB
Decoding		MP3, WMA(WMA, DRM), OGG, ASF
Voice Recording		MP3
Audio	Frequency Range	20Hz ~ 20kHz
	S/N ratio	93dB
	Output Power	18mW/Channl (Europe : 6mW/Channel)
FM Radio	Frequency Band	76 ~ 108MHz
	S/N ratio	56dB
	FM Recording	MP3
Languages	Menu Languages	English, Korean, Japanese, Chinese(simplified), Chinese(traditional), Spanish, Russian
	Supported Languages (ID 3 Tag Languages)	55 Languages supported
PC Interface	PC Interface	USB 2.0 (High Speed)
	Supported OS	Windows 98 / SE / ME / 2000 / XP
		Macintosh : Mac OS Version 9.2 or later.
	Removable Disk	Supported
Battery	Type	AAA×1
	Battery life	Approx. 12 hours (When playing back 128kbps MP3 file with volume level 20)
Operating Temperature		0℃ ~ 40℃

Note

- The actual memory available to use may differ from the product's memory capacity due to the logical file system.
- The data transmission speed may differ depending on the user's PC specifications.
- PC connection using USB Hubs or extension cables is not guaranteed.
- The contents of this manual can be changed without a prior notice for continuous performance improvement and additional function supplementation in the future.

■ Memo